

A. Decloux

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#8 SK
8/08/00

1644

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/319,806

DATE: 07/31/2000

TIME: 15:13:02

Input Set : A:\10806-91.app

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3 <110> APPLICANT: Cramer, Reto
4 Hemman, Stefanie
5 Blaser, Kurt
7 <120> TITLE OF INVENTION: Methods for Diagnosis of Allergic Bronchopulmonary
8 Aspergillosis
10 <130> FILE REFERENCE: 10806-93
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/319,806
13 <141> CURRENT FILING DATE: 1999-08-19
15 <150> PRIOR APPLICATION NUMBER: SE9604815-2
16 <151> PRIOR FILING DATE: 1996-12-20
18 <150> PRIOR APPLICATION NUMBER: PCT/SE97/02171
19 <151> PRIOR FILING DATE: 1997-12-19
21 <160> NUMBER OF SEQ ID NOS: 8
23 <170> SOFTWARE: PatentIn Ver. 2.1
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 624
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Description of Artificial Sequence: recombinant
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36 cagatcatgg agctgcacca caaaaagcac catcaaacct acgtcaatgg cctgaatgcc 120
37 gcaactcgagg cgcagaagaa agcggcgga gccaacgacg tcccgaagct cgtctccgtg 180
38 cagcaagcga tcaaattcaa cggcgggggg cacatcaacc attcctctt ctggaagaat 240
39 ctggcccccg agaattccgg ggggtggcaag atcgatcagg caccggctct caaagcagcc 300
40 atcgagcagc gttggggatc cttcgataag ttcaaggatg ctttcaacac gaccctgctg 360
41 ggcattcagg gcagcggatg gggttggtta gtgaccgacg gacccaaggg aaagctagac 420
42 attaccacaa cccacgacca ggatccgggtg accggggcgg ccccggtctt tggggtggat 480
43 atgtgggagc atgcttacta ccttcagtac ttgaacgaca aagcctcgta tgccaagggc 540
44 atctggaacg tgatcaactg ggcgaagcg gagaatcggg acatagcggg tgacaagggt 600
45 ggacacccat tcatgaagct gtga 624
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49 <211> LENGTH: 207
50 <212> TYPE: PRT
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Description of Artificial Sequence: recombinant
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57 <400> SEQUENCE: 2
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59 1 5 10 15
61 Tyr Ile Ser Gln Gln Ile Met Glu Leu His His Lys Lys His His Gln
62 20 25 30
64 Thr Tyr Val Asn Gly Leu Asn Ala Ala Leu Glu Ala Gln Lys Lys Ala
65 35 40 45
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67 Ala Glu Ala Asn Asp Val Pro Lys Leu Val Ser Val Gln Gln Ala Ile
68 50 55 60
70 Lys Phe Asn Gly Gly His Ile Asn His Ser Leu Phe Trp Lys Asn
71 65 70 75 80
73 Leu Ala Pro Glu Lys Ser Gly Gly Gly Lys Ile Asp Gln Ala Pro Val
74 85 90 95
76 Leu Lys Ala Ala Ile Glu Gln Arg Trp Gly Ser Phe Asp Lys Phe Lys
77 100 105 110
79 Asp Ala Phe Asn Thr Thr Leu Leu Gly Ile Gln Gly Ser Gly Trp Gly
80 115 120 125
82 Trp Leu Val Thr Asp Gly Pro Lys Gly Lys Leu Asp Ile Thr Thr Thr
83 130 135 140
85 His Asp Gln Asp Pro Val Thr Gly Ala Ala Pro Val Phe Gly Val Asp
86 145 150 155 160
88 Met Trp Glu His Ala Tyr Tyr Leu Gln Tyr Leu Asn Asp Lys Ala Ser
89 165 170 175
91 Tyr Ala Lys Gly Ile Trp Asn Val Ile Asn Trp Ala Glu Ala Glu Asn
92 180 185 190
94 Arg Tyr Ile Ala Gly Asp Lys Gly Gly His Pro Phe Met Lys Leu
95 195 200 205
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100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Description of Artificial Sequence: recombinant
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109 gagggtccg gcgaggctaa gacctccgac gctcccgtct ctcaggctac tcccgtcagc 120
110 aacgctgtgg ctgcccgcgc cgccgcttct actccggagc ccagctcttc ccactccgac 180
111 agttcttcat cctccggcgt ctccgcccgc tggaccaaca cccctgccga aggcgagtag 240
112 tgcactgacg gcttcggtgg caggaccgaa cccagcggct ccggtatctt ctacaagggc 300
113 aacgttggtg aaccttgggg cagcaacatc atcgaggctt cccccgagaa cgccaagaag 360
114 tacaagcacg tcgctcagtt tgttggcagc gacctgacc cctggaccgt tgtcttctgg 420
115 aacaagatcg gccccgatgg tggccttact ggctggtacg gtaactccgc tctgaccttc 480
116 cacctcgagg ccggtgagac caagtacgtg gcattcgacg agaactccca ggggtgcctgg 540
117 ggcgcccgaaggggcgacga gctgcccaag gaccagtttg gtgggtactc ttgcacctgg 600
118 ggtgagttcg actttgacag caaatcaaac caccgctggt ctggctggga cgtgtccgcc 660
119 attcaggccg agaatgccca ccatgaggtc cagggtatga agatctgcaa tcacgccggc 720
120 gagctctgct ccatcatctc ccacggtctt tccaaggtca ttgacgcta cactgctgat 780
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126 <211> LENGTH: 286
127 <212> TYPE: PRT
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Description of Artificial Sequence: recombinant

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134 <400> SEQUENCE: 4
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136 1      5      10      15
138 Ser Trp Ile Asn Glu Trp Ser Gly Glu Ala Lys Thr Ser Asp Ala Pro
139      20      25      30
141 Val Ser Gln Ala Thr Pro Val Ser Asn Ala Val Ala Ala Ala Ala
142      35      40      45
144 Ala Ser Thr Pro Glu Pro Ser Ser His Ser Asp Ser Ser Ser Ser
145      50      55      60
147 Ser Gly Val Ser Ala Asp Trp Thr Asn Thr Pro Ala Glu Gly Glu Tyr
148      65      70      75      80
150 Cys Thr Asp Gly Phe Gly Gly Arg Thr Glu Pro Ser Gly Ser Gly Ile
151      85      90      95
153 Phe Tyr Lys Gly Asn Val Gly Lys Pro Trp Gly Ser Asn Ile Ile Glu
154      100      105      110
156 Val Ser Pro Glu Asn Ala Lys Lys Tyr Lys His Val Ala Gln Phe Val
157      115      120      125
159 Gly Ser Asp Thr Asp Pro Trp Thr Val Val Phe Trp Asn Lys Ile Gly
160      130      135      140
162 Pro Asp Gly Gly Leu Thr Gly Trp Tyr Gly Asn Ser Ala Leu Thr Leu
163      145      150      155      160
165 His Leu Glu Ala Gly Glu Thr Lys Tyr Val Ala Phe Asp Glu Asn Ser
166      165      170      175
168 Gln Gly Ala Trp Gly Ala Ala Lys Gly Asp Glu Leu Pro Lys Asp Gln
169      180      185      190
171 Phe Gly Gly Tyr Ser Cys Thr Trp Gly Glu Phe Asp Phe Asp Ser Lys
172      195      200      205
174 Ile Asn His Gly Trp Ser Gly Trp Asp Val Ser Ala Ile Gln Ala Glu
175      210      215      220
177 Asn Ala His His Glu Val Gln Gly Met Lys Ile Cys Asn His Ala Gly
178      225      230      235      240
180 Glu Leu Cys Ser Ile Ile Ser His Gly Leu Ser Lys Val Ile Asp Ala
181      245      250      255
183 Tyr Thr Ala Asp Leu Ala Gly Val Asp Gly Ile Gly Gly Lys Val Val
184      260      265      270
186 Pro Gly Pro Thr Arg Leu Val Val Asn Leu Asp Tyr Lys Glu
187      275      280      285
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191 <211> LENGTH: 336
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Description of Artificial Sequence: recombinant
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199 <400> SEQUENCE: 5
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201 gaggatgtca aggcgctcct ctcttcctgt ggcattgatg ccgatgagga gcgcctgaac 120
202 aagctcattg ctgagctcga gggcaaggac ctccaggagc tcattgccga gggttccacc 180
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203 aagctcgctt cggttccctc cggtggtgct gccgccgctg ctctgcccgc tgccggtgcc 240
204 gctgccggtg gtgctgctgc tcctgccgct aaggagaaga atgaggagga gaaggaggag 300
205 tccgacgagg acatgggctt cggctctctc gactaa 336
208 <210> SEQ ID NO: 6
209 <211> LENGTH: 111
210 <212> TYPE: PRT
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Description of Artificial Sequence: recombinant
215 allergen rAsp f8
217 <400> SEQUENCE: 6
218 Met Lys Tyr Leu Ala Ala Phe Leu Leu Leu Ala Leu Ala Gly Asn Thr
219 1 5 10 15
221 Ser Pro Ser Ser Glu Asp Val Lys Ala Val Leu Ser Ser Val Gly Ile
222 20 25 30
224 Asp Ala Asp Glu Glu Arg Leu Asn Lys Leu Ile Ala Glu Leu Glu Gly
225 35 40 45
227 Lys Asp Leu Gln Glu Leu Ile Ala Glu Gly Ser Thr Lys Leu Ala Ser
228 50 55 60
230 Val Pro Ser Gly Gly Ala Ala Ala Ala Ala Pro Ala Ala Ala Gly Ala
231 65 70 75 80
233 Ala Ala Gly Gly Ala Ala Ala Pro Ala Ala Lys Glu Lys Asn Glu Glu
234 85 90 95
236 Glu Lys Glu Glu Ser Asp Glu Asp Met Gly Phe Gly Leu Phe Asp
237 100 105 110
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242 <212> TYPE: PRT
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246 <223> OTHER INFORMATION: Description of Artificial Sequence: residue for
247 attachment to C-terminus
249 <400> SEQUENCE: 7
250 Val Glu His His His His His His
251 1 5
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255 <211> LENGTH: 11
256 <212> TYPE: PRT
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Description of Artificial Sequence: residue for
261 attachment to N-terminal end
263 <400> SEQUENCE: 8
264 Met Arg Gly Ser His His His His His His Met
265 1 5 10

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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/319,806

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Input Set : A:\10806-91.app
Output Set: N:\CRF3\07312000\I319806.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number